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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,384	01/28/2004	Badredin Fatemizadeh	112518.00006	4751
26707	7590	08/24/2005		
QUARLES & BRADY LLP			EXAMINER	
RENAISSANCE ONE			WILSON, SCOTT R	
TWO NORTH CENTRAL AVENUE				
PHOENIX, AZ 85004-2391			ART UNIT	PAPER NUMBER
			2826	

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/767,384 Examiner Scott R. Wilson	FATEMIZADEH ET AL. Art Unit 2826

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 15 June 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-24 is/are pending in the application.
 4a) Of the above claim(s) 20-24 is/are withdrawn from consideration.
 5) Claim(s) 1-6 is/are allowed.
 6) Claim(s) 7 and 17 is/are rejected.
 7) Claim(s) 8-13, 18 and 19 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 28 January 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claims 1-19 in the paper filed 15 June 2005 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 7 is rejected under 35 U.S.C. 102(b) as being anticipated by Ohshima. Ohshima, Figure 3B, discloses a method of forming an integrated circuit having a driver device (CONTROL)(col. 8, lines 12-13 and col. 11, lines 63-64) in proximity to a power device (QB1)(col. 10, lines 30-34 and col. 12, lines 19-22) comprising forming an oxide layer (821)(col. 11, line 26) below the driver device, forming a trench (under 902) between the driver device and the power device, wherein the trench extends down to the oxide layer, and depositing oxide (801)(col. 12, line 26) in the trench down to the oxide layer to isolate the driver device from the power device.

Claim 17 is rejected under 35 U.S.C. 102(b) as being anticipated by Ohshima. Ohshima, Figure 3B, discloses a method of forming a first semiconductor device, embodied as an integrated circuit having a driver device (CONTROL)(col. 8, lines 12-13 and col. 11, lines 63-64), in proximity to a second semiconductor device, embodied as a power device (QB1)(col. 10, lines 30-34 and col. 12, lines 19-22), on an integrated circuit, comprising forming an oxide layer (821)(col. 11, line 26) below the first semiconductor device, forming a trench (under 902) between the first semiconductor device and the second semiconductor device, wherein the trench extends down to the oxide layer, and depositing oxide (801)(col. 12, line 26) in the trench down to the oxide layer to isolate the first semiconductor device from the second semiconductor device.

Allowable Subject Matter

Claims 1-6 are allowed.

Claims 8-13, 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. No prior art discloses the claimed device with a buried oxide layer formed with limited extend under only one of the devices, either the driver device or power device. The prior art forms a continuous oxide layer under both said devices, and forms oxide isolation trenches between the devices.

NATHAN
SUPERVISORY P.
TECHNOLOGY

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott R. Wilson whose telephone number is 571-272-1925. The examiner can normally be reached on M-F 8:30 - 4:30 Eastern.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

srw
August 12, 2005